

DERWENT PUBLICATIONS LTD.

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Laminated glass of good appearance - comprises in order
transparent plate, thermoplastic resin layer, resin film,
thermoplastic layer and transparent plate

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Glass comprises in order (A) transparent plate, (B) thermoplastic resin layer, (C) resin film, (D) thermoplastic resin layer, and (E) transparent plate. (B) and/or (D) have a thickness of upto 30 microns.

(A) is typically organic or inorganic glass. (B) has high adhesion with (A) and (C), transparency and sufficient softness at working temp. for lamination. (B) is typically polyvinyl butyral resin, SBR, NBR, neoprene, polyisoprene, polyacrylate, polyvinyl acetate, polyvinyl ether, PVC, polyethylene/polypropylene copolymer or polyester. (C) is typically polyethylene terephthalate, polyvinyl alcohol, polypropylene, polyethylene, PVC, polybutylene terephthalate, polycarbonate, acrylic resin or polyamide and coated with In₂O₃/SnO₂, and SnO₂, Au, Ag, Cu or Al to provide transparency and electroconductivity and Au, Ag, Cu, Al, Ni, Pd, Sn or their alloys mixts. to provide selective transmission of light or TiO₂, Bi₂O₃, ZnS, WO, In₂O₃, ZrO₂ or SiO₂ to provide dielectric activity.

The glass has favourable appearance by limiting the thickness of (B) and/or (D) to upto 30 microns even when using (C) of thickness upto 130 microns. (4pp)

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